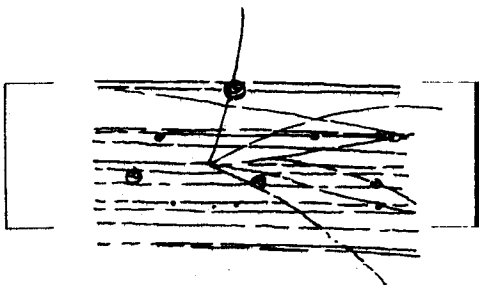

seminars

CERN PARTICLE PHYSICS SEMINARS

Tuesday, November 28
16.30
Auditorium

"Pion-Electron Scattering at Serpukhov"
D. Drickey / UCLA

Tuesday, December 5
16.30
Auditorium

"Experimental Results on Duality and Dip Mechanisms in $\pi^+ p \rightarrow \pi^0 \Delta^{++}$, $\rho^+ p$"
A. Kernan / U.C. Riverside

Thursday, December 7
16.30
Auditorium

"Structure Quarks and Current Quarks"
M. Gell-Mann / Caltech.

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DD SEMINAR

Thursday, November 30
16.00
Theory Conference Room

"Interactive Computing and Graphics at LBL"
D. Austin / Lawrence Berkeley Laboratory - Mathematics and Computing Group

Abstract : Interactive computing facilities at the Lawrence Berkeley Laboratory presently include a large teletype network, the prototype CDC 250 Display system with five independent consoles, the new IRATE system with 16 terminals, the Remote Computer Access System and a small computer based system with storage scope teletypes and special text-editing keyboards. Hardcopy graphics devices available are several CalComp plotters, the CDC 254 microfilm plotter and a Datagraphix COM system.

The facilities are used extensively by physicists and engineers for data display and analysis, bubble-chamber event rescue, beam transport design, simulation of the Electron Ring Accelerator, electronic circuit design and analysis and the production of publication quality graphical and text output on microfilm.

An interactive graphics modeling system, developed as a research project, is now being used for continuous systems simulation (biological and environmental modelling, digital logic and electronic circuit analysis) and graphics editing. Three-dimensional modellingis currently under development, with applications in 3-0 magnet design, data representation and molecular modelling.

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CERN APPLIED PHYSICS SEMINAR

Friday, December 1
14.30
ISR Auditorium
(Bldg. 30 - 7th floor)

"Communications Satellites"
W.L. Pritchard / Director, COMSAT Lab., Clarksburg, USA

Abstract : After a survey of the fundamentals of satellite communications, some aspects of this technology related to electron physics will be illustrated. Specific examples will be cited with reference to the radiation environment in orbit, the process of converting solar into electrical energy, the storage of electrical energy for operation during eclipses, and the use of ion engines for electric propulsion.

Advances in highly reliable, efficient, low noise electron devices such as tunnel diodes and travelling wave tubes for the amplification of wide band signals and the generation of power in the GHz will be reported.

The trends of future communications satellite systems will be indicated.

PHYSICS III SEMINARS

Friday, December 1
11.00
Theory Conference Room

"Electron Scattering and Few Nucleon Systems"
U. Amaldi / CERN - Rome

Monday, December 4
14.00
Theory Conference Room

"The Importance of the Molecular Beam Method for the Development of Quantum Physics"
I. Estermann / Technion - Haifa

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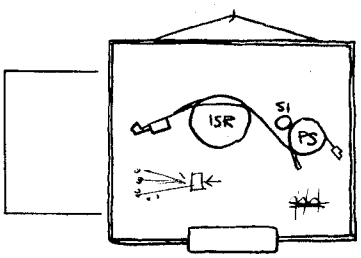
PRESENTATION TECHNIQUE

Mardi 28 novembre
de 09h.30 à 16h.30
Salle TC-L
Bât. 17 - 1er étage

Les Forges de Belles-Ondes (F), présentent: raccords rapides "VEBED", robinets flexibles, vannes "I", pièces estampées, vannes à vide. Gamme d'applications : liquides, gaz de -50° à +250°, pour des pressions jusqu'à 15 Kg.
Langue : Français

Renseignements :
M. Diraison / FIN / 4585



enseignement

ACADEMIC TRAINING

Tuesday, November 28
14.15
Auditorium

Thursday, November 30
14.15
Council Chamber

MATHEMATICS
"Statistical methods in experimental physics"
by F. James

(Lectures 6 and 7)

Wednesday, November 29
11.00
Auditorium

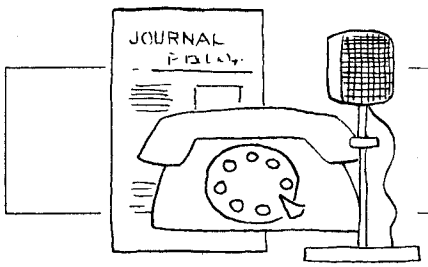
HIGH-ENERGY PHYSICS
"Classical experiments in high-energy physics"
by Ch. Peyrou
(Lecture 4)

Tuesday, November 28
11.00
Auditorium

Thursday, November 30
11.00
Council Chamber

HIGH-ENERGY PHYSICS
"An introduction to multiple production processes"
by K. Gottfried

(Lectures 3 and 4)



cern information

REVALIDATION DES CARTES DE LEGITIMATION ET ATTESTATIONS

Les fonctionnaires et membres de leur famille qui ont une carte de légitimation dont l'échéance est prévue pour le 31 décembre 1972 doivent l'envoyer au Bureau des Dossiers du Personnel, Division du Personnel, pour prolonger leur validité.

Les "Attestations CERN" ont des différentes dates d'échéance. C'est un peu avant cette date qu'elles doivent être envoyées pour prolongation, si nécessaire.